IN THE CLAIMS:

Please enter the amended Claims as follows-

- 1.(original) A diffuser arrangement for an engine, the diffuser arrangement comprising a wall surface in a fluid flow conduit formed with an aperture between an upstream part of the wall surface and a downstream part of the wall surface, the arrangement wherein the downstream part having a step displacement away from a projected profile of the upstream part of the wall surface whereby in use flow momentum in a fluid flow past the wall surface facilitates flow bleed into the aperture.
- 2.(original) An arrangement as claimed in claim 1 wherein the upstream part has a leading edge to the aperture shaped to enhance flow momentum thereabout towards the aperture.
- 3.(original) An arrangement as claimed in claim 2 wherein the leading edge is curved into the aperture.
- 4.(original) An arrangement as claimed in claim 3 wherein the leading edge has a curvature dependent upon expected flow rate and/or cross-section of the conduit including the wall surface.
- 5.(original) An arrangement as claimed in claim 3 wherein the leading edge will have a radius in the order of 0.05 to 0.15 of a conduit inlet passage height.
- 6. (original) Apparatus as claimed in claim 5 wherein the leading edge has a radius in the order of 0.09 to 0.11 of the conduit inlet passage height.
- 7.(original) An arrangement as claimed in claim 1 wherein the downstream part has a trailing edge to the aperture which is substantially angularly presented.
- 8.(original) An arrangement as claimed in claim 1 wherein the downstream part is at an angle up to 35° to the principal axis of fluid flow in the conduit.
- 9.(original) Apparatus as claimed in claim 8 wherein the angle is 30° to the principal axis of fluid flow in the conduit.

- 10.(original) An arrangement as claimed in claim 1 wherein the step displacement of the downstream part relative to the upstream part is in the order of 0.05 to 0.12 of the conduit radius or half the conduit cross-sectional width.
- 11.(original) Apparatus as claimed in claim 10 wherein the step displacement is in the order of .06 to 0.1 of the conduit radius or half the conduit cross-sectional width.
- 12.(original) An arrangement as claimed in claim 1 wherein the aperture is divergent away from an opening in the wall surface.
- 13.(original) An arrangement as claimed in claim 1 wherein the aperture has a width at the wall surface in the order of 0.04 to 0.07 of the conduit radius or half the conduit cross-sectional width.
- 14.(original) An arrangement as claimed in claim 13 wherein the width is in the order of 0.05 to 0.06 of the conduit radius or half the conduit cross-sectional width.
- 15.(original) An arrangement as claimed in claim 1 wherein the aperture has an aperture wall upon the side towards the downstream part which is substantially perpendicular to the principal axis of fluid flow in the conduit.
- 16.(original) An arrangement as claimed in claim 1 wherein the combined length of the wall surface is three to four times a conduit inlet passage height.
- 17.(original) An arrangement as claimed in claim 1 wherein the aperture is coupled to a cooling system of an engine.
- 18.(original) An arrangement as claimed in claim 1 wherein the downstream part is shaped so to create a barrier or gate which causes in use a vortex below that barrier or gate for fluid flow control through the arrangement.
- 19.(amended) An engine incorporating a diffuser arrangement as claimed in [any preceding claim] claim 1.